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DATA ON POLISH ELECTRIC POWER PRODUCTION

8.3 BILLION KILOWATT-HOURS PRODUCED IN 1949 -- Berlin, Bergbau und Energiewirtschaft, Oct 50

The intensive expansion of Poland's economy and the rapid growth of nationalized industry, which in 1949 was 235 percent that of 1946 and which is to be further increased by 158.3 percent by 1955, have resulted in increased power requirements. At the same time, the importance of electricity as a source of power was increased through the modernization of industry.

In 1949, Poland produced a total of 8.3 billion kilowatt-hours of electricity. This is about one billion kilowatt-hours more than the same area produced in 1938. The 1955 output will be 237 percent of the 1949 total, or 19.3 billion kilowatt-hours. The average annual rate of increase in electric power production was 9 percent during the period 1947 - 1949. During the Six-Year Plan, the annual rate of increase will be about 15.4 percent.

Industry, the largest consumer, uses 66 percent of the power output. By 1955, the basic industries will use 2.5 times their present consumption. As a result of the electrification of the villages now in progress, the amount of power used by other consumers will increase proportionately. Within the next 6 years, 8,900 villages are to be connected with the power system.

POWER TRANSMISSION TO INCREASE IN SIX-YEAR PLAN -- Katowice, Dziennik Zachodni, 14 Oct 50

The plan for the construction of power transmission networks is closely related to the plan for developing economically backward areas. A large percentage of the 76,000 kilometers of transmission lines to be built, including the 5,000 kilometers of high-voltage lines (60,000 to 220,000 volts) will supply power to economically neglected areas, especially new industrial plants.

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STANDARDIZE POLISH ELECTRIC CURRENT -- Warsaw, Radio, Vol 5, No 7, Jul 50

The voltage in Poland has been almost universally standardized at 220 volts, with the exception of parts of Lodz, where a 120-volt network is still in operation.

POLAND OPENS 220-KILOVOLT SLASK-LODZ LINE -- Warsaw, Przeglad Elektrotechniczny, Vol 23, 21 Dec 47

On 19 December 1947, the Slask-Lodz 220-kilovolt line, completed 30 November 1947, was officially opened. This is the first aerial line in Poland built to carry 220 kilovolts. For the time being, the line has been activated to carry 110 kilovolts. The 161-kilometer-long line was installed over 380 poles in a period of 240 days (Sundays and holidays included).

1947 ELECTRIC POWER PRODUCTION, CONSUMPTION, AND EMPLOYMENT -- Warsaw, Przeglad Elektrotechniczny, Vol 23, 21 Aug 47

The following table gives 1947 statistics of the Central Electric Power Administration for production of electric power by power plants with installed capacity exceeding 1,000 kilowatts and for the distribution of power to industry.

	1947		
	May	Jun	Jan - Jun
Total public utility and industrial power plant output (1,000 kw-h)	494,640	493,702	3,178,736 (100%)
No of enterprises	232	232	
Increase in output over same period in 1946 (%)	15.5	21.5	18.8
Installed capacity of the 232 enterprises (1,000 kw)	2,218	2,237	
Public utility power plant output (1,000 kw-h)	293,803	288,752	1,957,906 (61.6%)
No of enterprises	97	97	
Increase in output over same period in 1946 (%)	15.7	19.6	20.7
Installed capacity of the 97 enterprises (1,000 kw)	1,170	1,173	
Industrial power plant output (1,000 kw-h)	200,837	204,950	1,220,830 (38.4%)
No of enterprises	135	135	
Increase in output over same period in 1946 (%)	15.3	24.1	15.9
Installed capacity of the 135 enterprises (1,000 kw)	1,048	1,064	

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	1947		
	May	Jun	Jan - Jun
Distribution of power to industry (in 1,000 kw-h and in percent of total power production)			
Coal mines	105,849	109,810	665,794 (20.9%)
Metallurgical plants	19,121	17,060	112,306 (3.5%)
Chemical plants	36,559	37,214	216,078 (6.8%)
Textile factories	8,345	9,233	60,306 (1.9%)
Sugar refineries	227	651	5,423 (0.2%)
Paper mills	14,439	14,809	78,350 (2.5%)
Cement plants	12,254	12,385	54,254 (1.7%)
Remaining industrial plants	4,043	3,788	28,319 (0.9%)

The number of employees in the enterprises covered by the above statistics, as of June 1947 were as follows:

[See following page]

Place of Employment	Total in Public Utility and Industrial Power Plants			Public Utility Power Plants			Industrial Power Plants		
	In Direct Production	Administration	Total	In Direct Production	Administration	Total	In Direct Production	Administration	Total
Power plants	15,061	5,562	20,623	9,917	5,241	15,158	5,144	321	5,465
Network	4,862	2,392	7,254	3,681	2,301	5,982	1,181	91	1,272
Total	19,923	7,954	27,877	13,598	7,542	21,140	6,325	412	6,737

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